

Application Number : 10/611,783 Confirmation Number: 1898
Applicant : Wade L. Hennessey
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Examiner : Swearingen, Jeffrey R.

Docket Number : KON03-0003
Customer No. : 22835

Proposed Amendment and Interview Agenda
Via fax to (571) 273-3921

PROPOSED AMENDMENT AND INTERVIEW AGENDA

Dear Examiner Swearingen,

Please find our proposed amendment and interview agenda below, and kindly grant us an interview for this matter.

Identification of Claims and Reference To Be Discussed

Claim for discussion: Claim 1

Reference for discussion: McCanne (USPN 6,785,704)

Applicant's Arguments

Applicant respectfully submits that the proposed amendment of the independent claim 1 below overcomes the Examiner's rejection under 35 U.S.C. § 103(a).

Specifically, in embodiments of the present invention, arenas are administrative units that are collections of nodes defined by a system administrator. Routing rules **that are specific to an arena** are also defined for the arenas (see paragraph [0076], lines 11-13, of the instant application). Defining the content routing for a peer node involves determining the arena to which the peer node belongs, i.e., **the arena membership of the requesting peer**

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node (see Abstract and Fig. 10, step 1006, of the instant application). **The routing rules** that are employed for content routing to the requesting peer are **specific to the arena of which the requesting peer node is a member** (see Abstract and Fig. 10, step 1008 of the instant application). This also finds support in paragraphs [0076]-[0077] of the instant application.

Applicant respectfully submits that the routing rules defined in Col. 6, lines 33-50 of McCanne apply to every single requesting client, irrespective of their CDN membership. Hence Applicant respectfully submits that the proposed amendment overcomes the rejection under 35 U.S.C. § 103(a).

Proposed Amendment:

- 1 1. (Currently Amended) A method for optimizing traffic on a distributed
2 content delivery network, comprising:
3 receiving a request for content from a client at a directory server;
4 determining, at the directory server, arena membership of the client,
5 wherein the arena membership of the client is based on whether if the client is a
6 member of an arena in a list of arenas, wherein an arena is a specified set of nodes
7 on a network and at least one arena has a plurality of nodes; and
8 if the client is a member of the arena, applying, at the directory server,
9 routing rules to the delivery of content to the client,
10 wherein the routing rules ~~correspond to~~ are specific to the arena
11 membership of the client;
12 wherein the routing rules involve at least one of the following:
13 directing the client to available peers within one of a set of
14 match sets for the requested content, wherein a match set is a set of
15 network devices as defined by a system administrator;

16 when there are no peers with a copy of the requested
17 content in the match set, automatically directing the client to a next
18 match set in the set of match sets; and
19 directing the peer-client to the origin server;
wherein the order of precedence in which the client is directed to nodes within a
match set, to a next match set, as well as to the origin server in the routing rules is
specified in the routing rules ~~corresponding~~ specific to each arena .

Respectfully submitted,

By /Ying Wang/
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